

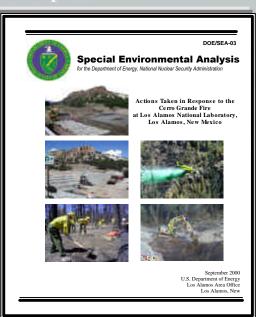
Environmental Analysis of LANL Fire Response Activities

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The Special Environmental Analysis (SEA) prepared for the Department of Energy, National Nuclear Security Administration did not analyze the effects of the Cerro Grande Fire at Los Alamos National Laboratory. Rather, the SEA analyzed the effects of fire suppression and post-fire response activities.

(CEQ) and Department of Energy (DOE) regulations permit "alternative arrangements" (40 CFR 1506.11 and 10 CFR 1021.343) to replace the normal



nplementing regulations. In consultation with the CEQ, DOE directed the preparation of the SEA to analyze the effects of the actions taken to (1) suppress the fire and (2) reduce risks to life and roperty from potential erosion as a result of the Cerro Grande Fire.

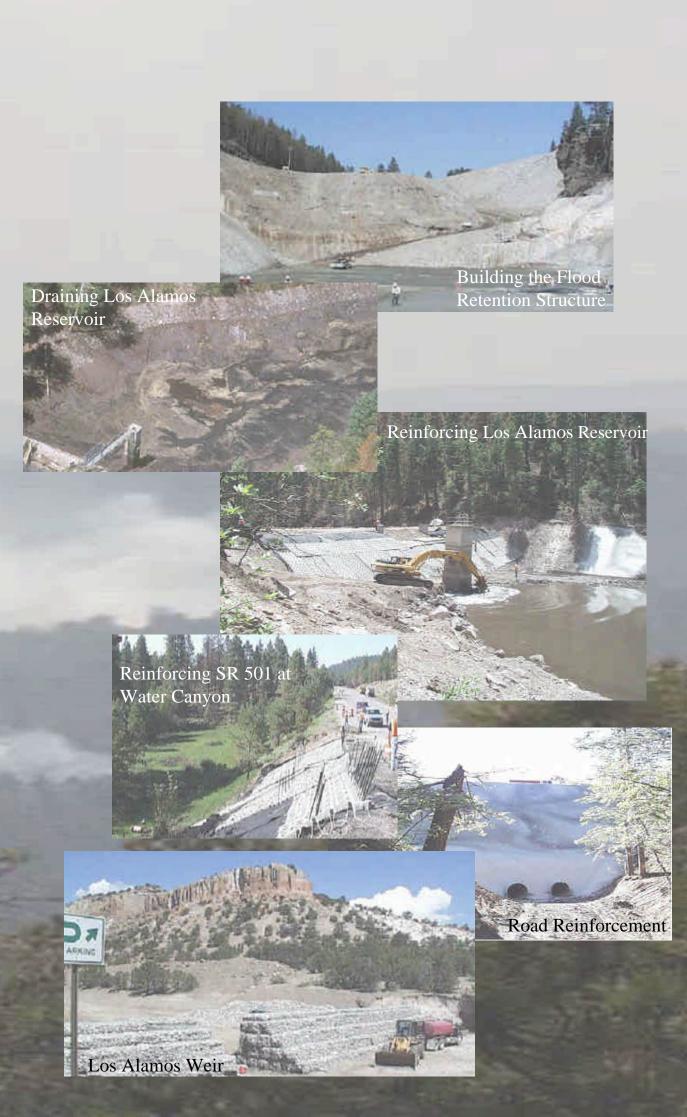
The SEA is only the third such document that has been prepare within the DOE complex, and covers significantly larger area and a wider range of actions th the two previous SEAs. The analysis includes the areas o LANL that were burned in the Cerro Grande Fire and those parts of LANL that were in danger of flooding, soil erosion, or other impacts in the aftermath of the action fire. The SEA examines the Has a legally mandated Used public meetings and outreach efforts that environmental impacts resulting from fire suppression at LANL Typically is completed Was completed within 4 months and from DOE's actions to reduce the subsequent risk to life and property.

How did the SEA process differ from the normal EIS process	
An EIS	The SEA
Analyzes a proposed action and one or more feasible alternatives	Analyzed actions already taken or propose be undertaken as part of the response to the emergency; alternatives were not analyzed within the document
Results in an agency decision to proceed with a course of action whose environmental impacts have been analyzed in the	Described or projected the environmental impacts of actions that had already been taken; the SEA was not used as a decision document



At The Peak of the fire approximately 1,600 firefighters and 100 pieces of equipment were employed to fight the blaze. Fuel breaks were cut, trees felled, helicopters and planes dropped water and slurry.

Erosion Control Activities included raking, mulching, tree felling, and establishing temporary soil erosion deterrents such as straw wattles and rock and log check dams.



U.S. Army Corps of Engineer Construction

Projects to control storm water runoff and reduce

in burned and unburned areas throughout LANL.

Concrete and rock water control devices are

expected to remain in place for 3 to 10 years.

flood hazards were sited within affected watersheds

Actions covered by the SEA encompassed a wide range of activities—from fire suppression to major post-fire construction. The individual projects had a series of adverse effects primarily resulting from soil and vegetation removal. Beneficial impacts included the protection of cultural resources, of substantial areas of floodplains and wetlands, and of government, tribal, and private property.



The beneficial effects of fire suppression and post-fire rehabilitation are expected to outweigh the adverse effects.

- ➤ Monitor restored burned areas that were re-seeded.

 ➤ Evaluate removal of flood control, erosion damage reduction features, and flo
- >Monitor for development of water pooling areas and wetlands associated with flood retention structure and other erosion damage reduction features
- > Review, evaluate, and stabilize pre-historic cultural resource sites within burned areas > Review, evaluate, and stabilize historic cultural resource sites within burned areas.
- Monitor soil, surface and ground water, and biota for contaminants.
 Monitor and amend best management practices at potential release site >Assess and reevaluate management plans for various natural and cultural resources.

Poster design by Rhonda Robinson